

What is claimed is:

1. A method for alleviating fatigue arising from an oncological condition, said method comprising the steps of:
identifying a patient suffering from said fatigue, and
5 administering to said patient a therapeutically effective amount of D-threo-methylphenidate substantially free of the 1-threo isomer.
2. The method of claim 1 wherein said methylphenidate is in the form of a pharmaceutically acceptable salt.
3. The method of claim 1 wherein said oncological condition is a
10 cancer selected from the group consisting of solid tumors and nonsolid tumors.
4. The method of claim 1 wherein said oncological condition is a solid tumor.
5. A method for alleviating fatigue arising from the administration of a treatment for an oncological condition, said method comprising the steps of:
15 identifying a patient suffering from said fatigue, and
administering to said patient a therapeutically effective amount of D-threo-methylphenidate substantially free of the 1-threo isomer.
6. The method of claim 5 wherein said methylphenidate is in the form of a pharmaceutically acceptable salt.
- 20 7. The method of claim 5 wherein said treatment for said oncological condition is chemotherapy or radiation therapy.
8. The method of claim 5 wherein said treatment for said oncological condition is chemotherapy.

9. The method of claim 5 wherein said oncological condition is a cancer selected from the group consisting of solid tumors and nonsolid tumors.

10. The method of claim 5 wherein said oncological condition is a solid tumor.

11. A method for alleviating neurobehavioral slowing arising from an oncological condition, said method comprising the steps of:

identifying a patient suffering from said neurobehavioral slowing, and administering to said patient a therapeutically effective amount of D-threo-methylphenidate substantially free of the 1-threo isomer.

12. The method of claim 11 wherein said methylphenidate is in the form of a pharmaceutically acceptable salt.

13. The method of claim 11 wherein said oncological condition is a cancer selected from the group consisting of solid tumors and nonsolid tumors.

14. The method of claim 11 wherein said oncological condition is a solid tumor.

15. A method for alleviating neurobehavioral slowing arising from the administration of a treatment for an oncological condition, said method comprising the steps of:

identifying a patient suffering from said neurobehavioral slowing, and administering to said patient a therapeutically effective amount of D-threo-methylphenidate substantially free of the 1-threo isomer.

16. The method of claim 15 wherein said methylphenidate is in the form of a pharmaceutically acceptable salt.

17. The method of claim 15 wherein said treatment for said oncological condition is chemotherapy or radiation therapy.

18. The method of claim 15 wherein said treatment for said oncological condition is chemotherapy.

5 19. The method of claim 15 wherein said oncological condition is a cancer selected from the group consisting of solid tumors and nonsolid tumors.

20. The method of claim 5 wherein said oncological condition is a solid tumor.

10 21. A method for alleviating a cognitive side effect of a treatment for an oncological condition, comprising the steps of:

identifying a patient suffering from a cognitive side-effect of a treatment for an oncological condition; and

15 administering to said patient a therapeutically effective amount of D-threo-methylphenidate substantially free of the 1-threo isomer.

22. The method of claim 21 wherein said methylphenidate is in the form of a pharmaceutically acceptable salt.

23. The method of claim 21 wherein said oncological condition is a cancer selected from the group consisting of solid tumors and nonsolid tumors.

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24. The method of claim 21 wherein said oncological condition is a solid tumor.

25 25. The method of claim 21 wherein said treatment for said oncological condition is the administration of pain relief medication, chemotherapy, radiation therapy, or surgery.

26. The method of claim 21 wherein said treatment for said oncological condition is the administration of pain relief medication.

27. The method of claim 26 wherein said pain relief medication is and opioid analgesic.

5 28. The method of claim 21 wherein said cognitive side effect is sedation, decreased cognitive function, major depressive disorder, or neurobehavioral slowing.

29. The method of claim 28 wherein said cognitive side effect is sedation, decreased cognitive function or neurobehavioral slowing.

10 30. The method of claim 28 wherein said cognitive side effect is sedation.

31. A method for treating a symptom of menopause comprising the steps of:

15 identifying a patient suffering from a symptom of menopause; and administering to said patient a therapeutically effective amount of D-threo-methylphenidate substantially free of the 1-threo isomer.

32. The method of claim 31 wherein said methylphenidate is in the form of a pharmaceutically acceptable salt.

20 33. The method of claim 31 wherein said symptom of menopause is decreased cognitive function.

34. The method of claim 31 wherein said symptom of menopause is vasomotor instability.

35. The method of claim 31 wherein said symptom of menopause is nervousness.
36. The method of claim 31 wherein said symptom of menopause is mental depression.
- 5 37. The method of claim 31 wherein said symptom of menopause is excitability.
38. The method of claim 31 wherein said symptom of menopause is fatigue.
39. The method of claim 31 wherein said symptom of menopause is
10 apathy.
40. The method of claim 31 wherein said symptom of menopause is impairment of short term memory.
41. The method of claim 1 wherein said administration of said D-threo-methylphenidate gives rise to efficacious treatment without interfering with patient sleep
15 patterns or engendering anorectic behavior.
42. The method of claim 5 wherein said administration of said D-threo-methylphenidate gives rise to efficacious treatment without interfering with patient sleep patterns or engendering anorectic behavior.
43. The method of claim 11 wherein said administration of said D-threo-
20 methylphenidate gives rise to efficacious treatment without interfering with patient sleep patterns or engendering anorectic behavior.

44. The method of claim 15 wherein said administration of said D-threo-methylphenidate gives rise to efficacious treatment without interfering with patient sleep patterns or engendering anorectic behavior.

45. The method of claim 21 wherein said administration of said D-threo-
5 methylphenidate gives rise to efficacious treatment without interfering with patient sleep patterns or engendering anorectic behavior.

46. The method of claim 31 wherein said administration of said D-threo-methylphenidate gives rise to efficacious treatment without interfering with patient sleep patterns or engendering anorectic behavior.